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COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL ENGINEERING  
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NTIS: HC \$ 8.00

December 6, 1972

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E72-10262  
CR-129196

Gentlemen:

This letter constitutes the second Type I progress report as called  
for in Article II of the NASA Contract Document NAS5-21817.

- (a) This report concerns ERTS-A proposal NASA control no.  
25-001-041 having the title: Study of the Application of  
Remote Sensing Data to Land Use Planning on the  
Mississippi Gulf Coast.
- (b) The principal investigator is:  
Frank Ingels, Ph.D.  
Principal Investigator - UN689  
Mississippi State University  
Drawer EE  
Mississippi State, Mississippi 39762
- (c) At this time there are no unusual problems impeding the  
investigation.
- (d) During the reporting period (ending November 31, 1972) the  
project has been scheduled and aircraft overflight requests  
have been consolidated with the other aircraft overflight  
requirements of Mississippi. This consolidation has been  
made through the NASA-MTF-ERL facility by Mr. Wayne  
Moonehan.

Although it is still too early to have received any computer  
maps (to be produced from the ERTS MSS digital tapes by  
the NASA-MTF-ERL facility) we have received several sets  
of ERTS data.

(E72-10262) STUDY OF THE APPLICATION OF  
REMOTE SENSING DATA TO LAND USE PLANNING ON  
THE MISSISSIPPI GULF COAST Progress Report  
F.M. Ingels (Mississippi State Univ.)  
6 Dec. 1972 5 p

N73-12361

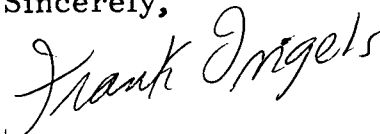
Unclas

CSCL 08M G3/13 00262

A rough analysis of the photographic data is compiled to provide an assessment of the possible utility of the particular pass described. This data inventory and analysis sheet will also help to give NASA an idea of when the data is being received by us and how we view the data's usefulness based upon the synoptic analysis of the MSS photographs. The Data Inventory Sheet and the Data Analysis Log are attached to this report.

- (e) No significant results have been obtained during this period.
- (f) No papers or publications have been released during this period.
- (g) No recommendations are offered at this time.
- (h) There are no changes in standing order forms.
- (i) There are no description forms for this period.
- (j) All data for this project is obtained through the NASA-MTF-ERL facility. There are no request forms filed specifically for this project.
- (k) There is no other information to report at this time.

Sincerely,



Frank Ingels, Ph.D.  
Associate Professor  
Department of Electrical Engineering

st

Enclosure

## Data Log

[illegible]

1032	15555	40%	40%	30%	10%	Good over Guffport - Biloxi area Gave one set to Frank Miller	2	✓
24 Aug 72								

1050	15553	0%	0%	5%	not covered	2	✓
11 Sept 72							
About half the scan lines missing on camera 6 - Second set of prints missing camera 4							

1051	16012	0%	90%	1%	50%	About 1/4 of camera b scan lines are missing clouds make this pass of very little value to us.	2	✓
	16014	90%		20%			2	✓
12 Sep 72								

[illegible][illegible][illegible]

# DATA INVENTORY SHEET

DATE RECEIVED	DATA FROM		RBV							MSS							FORMAT			CATALOG			COMMENTS	P.I. - UN		
	DAY	TIME	1	2	3	4	5	6	7	T	M	1	2	3	4	5	6	7	T	M	U.S.	NON		LAST DAY	023	649
1 Nov 72	1071	16120				1	1	1	1		✓														✓	
1 Nov 72	1071	16122				1	1	1	1		✓														✓	
1 Nov 72	1071	16125				1	1	1	1		✓														✓	
6 Nov 72	1070	16070				1	1	1	1		✓														✓	
6 Nov 72	1070	16070				2	2	2	2		✓														✓	
6 Nov 72	1070	16073				1	1	1	1		✓														✓	
6 Nov 72	1070	16073				2	2	2	2		✓														✓	
8 Nov 72	1070	16061				2	2	2	2		✓														✓	
8 Nov 72	1070	16064				2	2	2	2		✓														✓	
8 Nov 72	1070	16070				2	2	2	2		✓														✓	
14 Nov 72	1035	16121				1	1	1	1		✓														✓	
14 Nov 72	1035	16121				2	2	2	2		✓														✓	
14 Nov 72	1035	16124				1	1	1	1		✓														✓	
14 Nov 72	1035	16124				2	2	2	2		✓														✓	

DATE RECEIVED	DATA FROM		RBY		MSS		FORMAT		CATALOG			COMMENTS	PT. - UN				
	DAY	TIME	1	2	3	4	5	6	7	T	M		U.S.	NON	LAST DAY	023	649
28 Sept 72	1032	15555			1	1	1	1			✓					✓	
28 Sept 72	1032	15555			2	2	2	2		✓						✓	
24 Oct 72	1051	16012			1	1	1	1			✓					✓	
24 Oct 72	1051	16012			2	2	2	2		✓						✓	
24 Oct 72	1051	16014			1	1	1	1			✓					✓	
24 Oct 72	1051	16014			2	2	2	2		✓						✓	
24 Oct 72	1050	15553			1	1	1	1			✓					✓	
24 Oct 72	1050	15553			1	2	2	2		✓						✓	
24 Oct 72	1052	16070			1	1	1	1			✓					✓	
24 Oct 72	1052	16070			2	2	2	2		✓						✓	
25 Oct 72	1052	16061			1	1	1	1			✓					✓	
25 Oct 72	1052	16061			1	1	1	1		✓						✓	
25 Oct 72	1052	16064			1	1	1	1		✓						✓	
25 Oct 72	1052	16064			1	1	1	1		✓						✓	
25 Oct 72	1052	16070			1	1	1	1		✓						✓	
25 Oct 72	1052	16070			1	1	1	1		✓						✓	